



#2 RECEIVED
TECHNOLOGY CENTER
DEC 20 2001

| | | |
|--|--------------------------|-----------------|
| Substitute for form 1449A-B (P) INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Complete if Known | |
| | Application No. | 09/929,227 |
| | Filing Date | Aug. 13, 2001 |
| | First Named Inventor | Stephen F. Gass |
| | Group Art Unit | 3725 |
| | Examiner Name | |
| Sheet <u>1</u> of <u>5</u> | Attorney Docket No. | SDT 304 |

U.S. PATENT DOCUMENTS

| Examiner Initials | Cite No. | U.S. Patent Document | | Name of Patentee | Date of Publication | Relevant Pages, Columns, Lines |
|----------------------|-------------|----------------------|-----------|------------------|---------------------|-----------------------------------|
| | | Number | Kind Code | | | |
| Q | | 941,726 | | Pfalzgraf | 11/30/1909 | |
| | | 1,551,900 | | Morrow | 9/1/1925 | |
| | | 1,896,924 | | Ulrich | 2/7/1933 | |
| | | 1,902,270 | | Tate | 3/21/1933 | |
| | | 1,910,651 | | Tautz | 5/23/1933 | |
| | | 1,938,548 | | Tautz | 12/5/1933 | |
| | | 1,938,549 | | Tautz | 12/5/1933 | |
| | | 1,963,688 | | Tautz | 6/19/1934 | |
| | | 2,007,887 | | Tautz | 7/9/1935 | |
| | | 2,020,222 | | Tautz | 11/5/1935 | |
| | | 2,038,810 | | Tautz | 4/28/1936 | |
| | | 2,106,288 | | Tautz | 1/25/1938 | |
| | | 2,978,084 | | Vilkaitis | 4/4/1961 | |
| | | 3,011,610 | | Stiebel et al. | 12/5/1961 | |
| | | 3,047,116 | | Stiebel et al. | 7/31/1962 | |
| | | 3,454,286 | | Anderson et al. | 7/8/1969 | |
| | | 3,695,116 | | Baur | 10/3/1972 | |
| | | 3,785,230 | | Lokey | 1/15/1974 | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials | Cite No. | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication | Relevant Pages, Columns, Lines | T ⁶ |
|----------------------|-------------|-------------------------|--------|-----------|--|------------------------|-----------------------------------|----------------|
| | | Office | Number | Kind Code | | | | |
| B | | DE | 76186 | | Simunek | 8/24/1921 | | |
| B | | UK | 598204 | | Societe Anonyme Andre Citroen | 2/12/1948 | | |
| A | | CH | 297525 | | Gardette | 6/1/1954 | | |

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|-----------------------|-------------|---|-----------------------------|
| B | | Gordon Engineering Corp., Product Catalog, October 1997, pgs. cover, 1, 3 and back, Brookfield, Connecticut, US. | |
| Examiner Signature | | Boyer Ashley | Date Considered 12/13/03 |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

✓ Translation or partial translation included.



~~RECEIVED~~

DEC 20 2001

Substitute for form 1449A-B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 2 of 5

Complete if Known

| | |
|----------------------|--------------------------------|
| Application No. | 09/929,227 ^{EN R3700} |
| Filing Date | Aug. 13, 2001 |
| First Named Inventor | Stephen F. Gass |
| Group Art Unit | 3725 |
| Examiner Name | |
| Attorney Docket No. | SDT 304 |

U.S. PATENT DOCUMENTS

| Examiner Initials | Cite No. | U.S. Patent Document | | Name of Patentee | Date of Publication | Relevant Pages, Columns, Lines |
|----------------------|-------------|----------------------|-----------|------------------|---------------------|-----------------------------------|
| | | Number | Kind Code | | | |
| 3 | | 3,858,095 | | Friemann et al. | 12/31/1974 | |
| | | 3,947,734 | | Fyler | 3/30/1976 | |
| | | 3,953,770 | | Hayashi | 4/27/1976 | |
| | | 3,967,161 | | Lichtblau | 6/29/1976 | |
| | | 4,007,679 | | Edwards | 2/15/1977 | |
| | | 4,026,177 | | Lokey | 5/31/1977 | |
| | | 4,047,156 | | Atkins | 9/6/1977 | |
| | | 4,060,160 | | Lieber | 11/29/1977 | |
| | | 4,070,940 | | McDaniel et al. | 1/31/1978 | |
| | | 4,075,961 | | Harris | 2/28/1978 | |
| | | 4,085,303 | | McIntyre et al. | 4/18/1978 | |
| | | 4,117,752 | | Yoneda | 10/3/1978 | |
| | | 4,152,833 | | Phillips | 5/8/1979 | |
| | | 4,195,722 | | Anderson et al. | 4/1/1980 | |
| | | 4,249,117 | | Leukhardt et al. | 2/3/1981 | |
| | | 4,249,442 | | Fittery | 2/10/1981 | |
| | | 4,267,914 | | Saar | 5/19/1981 | |
| 3 | | 4,270,427 | | Colberg et al. | 6/2/1981 | |

FOREIGN PATENT DOCUMENTS

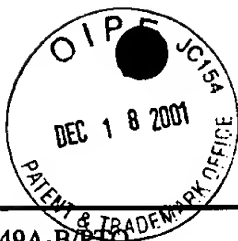
| Examiner Initials | Cite No. | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication | Relevant Pages, Columns, Lines | T ⁶ |
|----------------------|-------------|-------------------------|---------|-----------|--|------------------------|-----------------------------------|----------------|
| | | Office | Number | Kind Code | | | | |
| 3 | | DE | 2800403 | | Fritz | 7/19/1979 | | ✓ |
| 3 | | FR | 2556643 | | Stempniakowski | 6/21/1985 | | ✓ |
| 3 | | FR | 2570017 | | Stempniakowski | 3/14/1986 | | ✓ |

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|-----------------------|-------------|---|------------------------------------|
| | | | |
| | | | |
| Examiner Signature | | <i>Boyer Ashley</i> | Date Considered <i>12/13/03</i> |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

✓ Translation or partial translation included.



RECEIVED
#2
DEC 20 2001

TECHNOLOGY CENTER R3700

Substitute for form 1449A-B/P10

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 3 of 5

Complete if Known

| | |
|----------------------|-----------------|
| Application No. | 09/929,227 |
| Filing Date | Aug. 13, 2001 |
| First Named Inventor | Stephen F. Gass |
| Group Art Unit | 3725 |
| Examiner Name | |
| Attorney Docket No. | SDT 304 |

U.S. PATENT DOCUMENTS

| Examiner Initials | Cite No. | U.S. Patent Document | | Name of Patentee | Date of Publication | Relevant Pages, Columns, Lines |
|----------------------|-------------|----------------------|-----------|----------------------|---------------------|-----------------------------------|
| | | Number | Kind Code | | | |
| 3 | | 4,276,799 | | Muehling | 7/7/1981 | |
| | | 4,321,841 | | Felix | 3/30/1982 | |
| | | 4,372,202 | | Cameron | 2/8/1983 | |
| | | 4,391,358 | | Haeger | 7/5/1983 | |
| | | 4,470,046 | | Betsill | 9/4/1984 | |
| | | 4,510,489 | | Anderson, III et al. | 4/9/1985 | |
| | | 4,532,501 | | Hoffman | 7/30/1985 | |
| | | 4,532,844 | | Chang et al. | 8/6/1985 | |
| | | 4,573,556 | | Andreasson | 3/4/1986 | |
| | | 4,599,927 | | Eccardt et al. | 7/15/1986 | |
| | | 4,621,300 | | Summerer | 11/4/1986 | |
| | | 4,637,289 | | Ramsden | 1/20/1987 | |
| | | 4,722,021 | | Hornung et al. | 1/26/1988 | |
| | | 4,751,603 | | Kwan | 6/14/1988 | |
| | | 4,757,881 | | Jonsson et al. | 7/19/1988 | |
| | | 4,840,135 | | Yamauchi | 6/20/1989 | |
| | | 4,906,962 | | Duimstra | 3/6/1990 | |
| 3 | | 4,965,909 | | McCullough et al. | 10/30/1990 | |

FOREIGN PATENT DOCUMENTS

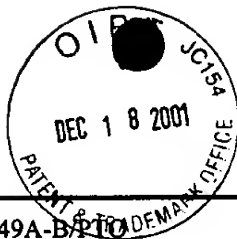
| Examiner Initials | Cite No. | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication | Relevant Pages, Columns, Lines | T ⁶ |
|----------------------|-------------|-------------------------|-----------|-----------|--|------------------------|-----------------------------------|----------------|
| | | Office | Number | Kind Code | | | | |
| 3 | | EP | 146460 | | Croguennec | 11/9/1988 | | ✓ |
| 3 | | DE | 4235161A1 | | List | 5/27/1993 | | ✓ |
| | | | | | | | | |

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|-----------------------|-------------|---|------------------------------------|
| | | | |
| | | | |
| Examiner Signature | | <i>Boyer Ashley</i> | Date Considered <i>12/13/03</i> |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

✓ Translation or partial translation included.



RECEIVED
DEC 20 2001

TECHNOLOGY CENTER R3700
Complete if Known

Substitute for form 1449A-B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 4 of 5

| | |
|----------------------|-----------------|
| Application No. | 09/929,227 |
| Filing Date | Aug. 13, 2001 |
| First Named Inventor | Stephen F. Gass |
| Group Art Unit | 3725 |
| Examiner Name | |
| Attorney Docket No. | SDT 304 |

U.S. PATENT DOCUMENTS

| Examiner Initials | Cite No. | U.S. Patent Document | | Name of Patentee | Date of Publication | Relevant Pages, Columns, Lines |
|----------------------|-------------|----------------------|-----------|-------------------|---------------------|-----------------------------------|
| | | Number | Kind Code | | | |
| 3 | | 5,025,175 | | Dubois, III | 6/18/1991 | |
| | | 5,046,426 | | Julien et al. | 9/10/1991 | |
| | | 5,052,255 | | Gaines | 10/1/1991 | |
| | | 5,081,406 | | Hughes et al. | 1/14/1992 | |
| | | 5,122,091 | | Townsend | 6/16/1992 | |
| | | 5,198,702 | | McCullough et al. | 3/30/1993 | |
| | | 5,201,684 | | DeBois, III | 4/13/1993 | |
| | | 5,212,621 | | Panter | 5/18/1993 | |
| | | 5,218,189 | | Hutchison | 6/8/1993 | |
| | | 5,272,946 | | McCullough et al. | 12/28/1993 | |
| | | 5,276,431 | | Piccoli et al. | 1/4/1994 | |
| | | 5,331,875 | | Mayfield | 7/26/1994 | |
| | | 5,377,554 | | Reulein et al. | 1/3/1995 | |
| | | 5,510,685 | | Grasselli | 4/23/1996 | |
| | | 5,534,836 | | Schenkel et al. | 7/9/1996 | |
| | | 5,606,889 | | Bielinski et al. | 3/4/1997 | |
| | | 5,667,152 | | Mooring | 9/16/1997 | |
| 3 | | 5,671,633 | | Wagner | 9/30/1997 | |

FOREIGN PATENT DOCUMENTS

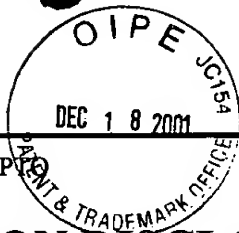
| Examiner Initials | Cite No. | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication | Relevant Pages, Columns, Lines | T ⁶ |
|----------------------|-------------|-------------------------|--------|-----------|--|------------------------|-----------------------------------|----------------|
| | | Office | Number | Kind Code | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ⁷ |
|--|-------------|---|---------------------------------|
| | | | |
| | | | |
| Examiner Signature <u>Boyer Ashley</u> | | | Date Considered <u>12/13/03</u> |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

✓ Translation or partial translation included.



RECEIVED

DEC 20 2001

TECHNOLOGY CENTER 11/13/00
Complete if Known

Substitute for form 1449A-B/P

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 5 of 5

| | |
|----------------------|-----------------|
| Application No. | 09/929,227 |
| Filing Date | Aug. 13, 2001 |
| First Named Inventor | Stephen F. Gass |
| Group Art Unit | 3725 |
| Examiner Name | |
| Attorney Docket No. | SDT 304 |

U.S. PATENT DOCUMENTS

| Examiner Initials | Cite No. | U.S. Patent Document | | Name of Patentee | Date of Publication | Relevant Pages, Columns, Lines |
|----------------------|-------------|----------------------|-----------|------------------|---------------------|-----------------------------------|
| | | Number | Kind Code | | | |
| 3 | | 5,695,306 | | Nygren, Jr. | 12/9/1997 | |
| | | 5,724,875 | | Meredith et al. | 3/10/1998 | |
| | | 5,730,165 | | Philipp | 3/24/1998 | |
| | | 5,771,742 | | Bokaie et al. | 6/30/1998 | |
| | | 5,861,809 | | Eckstein et al. | 1/19/1999 | |
| | | 5,921,367 | | Kashioka et al. | 7/13/1999 | |
| | | 5,963,173 | | Lian et al. | 10/5/1999 | |
| | | 6,018,284 | | Rival et al. | 1/25/2000 | |
| | | 6,119,984 | | Devine | 9/19/2000 | |
| | | 6,133,818 | | Hsieh et al. | 10/17/2000 | |
| 3 | | 6,244,149 B1 | | Ceroll et al. | 6/12/2001 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials | Cite No. | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication | Relevant Pages, Columns, Lines | T ⁶ |
|----------------------|-------------|-------------------------|--------|-----------|--|------------------------|-----------------------------------|----------------|
| | | Office | Number | Kind Code | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|--|-------------|---|---------------------------------|
| | | | |
| | | | |
| Examiner Signature <u>Boyer Ashley</u> | | | Date Considered <u>12/13/03</u> |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

✓ Translation or partial translation included.




* **EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
 ✓ Translation or partial translation included.



Electronic Information Disclosure Statement







SPRING-BIASED BRAKE MECHANISM FOR POWER EQUIPMENT

Application: 
09/929227
Confirmation: 8817
Applicant(s): Stephen Gass
Docket Number: SDT 304
Group Art Unit: 3725
Examiner:
search string: (2241556 or 2736348 or 5285708 or 5377571 or 5791057 or 6148504).pn.

RECEIVED
MAR 19 2003
TECHNOLOGY CENTER R3700

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

| init | Citation No. | Patent Number | Date | Bar Code | Patentee | Class | Subclass |
|------|--------------|---------------|------------|--|------------------|-------|----------|
| 3 | P01 | 2241556 | 1941-05-13 |  | MacMillin et al. | | |
| | P02 | 2736348 | 1956-02-28 |  | Nelson | | |
| | P03 | 5285708 | 1994-02-15 |  | Bosten et al. | | |
| | P04 | 5377571 | 1995-01-03 |  | Josephs | | |
| | P05 | 5791057 | 1998-08-11 |  | Nakamura et al. | | |
| 3 | P06 | 6148504 | 2000-11-21 |  | Schmidt et al. | | |

#6

Signature

| Examiner Name | Date |
|---------------|----------|
| Boyer Ashley | 12/13/03 |



#7

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

| | |
|-------------------------------|--|
| Title of Invention | SPRING-BIASED BRAKE MECHANISM FOR POWER EQUIPMENT |
|-------------------------------|--|

Application Number: 09/929227
Confirmation Number: 8817
First Named Applicant: Stephen Gass
Attorney Docket Number: SDT 304
Art Unit: 3725
Search string: (4077161 or 3186256 or 3386322 or 3554067
or 3861016 or 3946631 or 4637289 or 4805504
or 5184534 or 5950514 or 6418829).pn.

RECEIVED
AUG 15 2003
TECHNOLOGY CENTER R3700

Certification: This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

| init | Cite.No. | Patent No. | Date | Patentee | Kind | Class | Subclass |
|------|----------|------------|------------|----------------|------|-------|----------|
| 3 | 1 | 4077161 | 1978-03-07 | Wyle et al. | | | |
| | 2 | 3186256 | 1965-06-01 | Reznick | | | |
| | 3 | 3386322 | 1968-06-04 | Stone et al. | | | |
| | 4 | 3554067 | 1971-01-12 | Scutella | | | |
| | 5 | 3861016 | 1975-01-21 | Johnson et al. | | | |
| | 6 | 3946631 | 1976-03-30 | Malm | | | |
| | 7 | 4637289 | 1987-01-20 | Ramsden | | | |
| 3 | 8 | 4805504 | 1989-02-21 | Fushiya et al. | | | |
| | | | | | | | |



#7

| | | | |
|----|---------|------------|-----------------|
| 9 | 5184534 | 1993-02-09 | Lee |
| 10 | 5950514 | 1999-09-14 | Benedict et al. |
| 11 | 6418829 | 2002-07-16 | Pilchowski |

Signature

| Examiner Name | Date |
|---------------|----------|
| Boyer Ashley | 12/17/07 |

RECEIVED

AUG 15 2003

TECHNOLOGY CENTER 10700



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 1 of 1

| | |
|----------------------|-----------------|
| Application No. | 09/929,227 |
| Filing Date | Aug. 13, 2001 |
| First Named Inventor | Stephen F. Gass |
| Group Art Unit | 3724 |
| Examiner Name | Boyer D. Ashley |
| Attorney Docket No. | SDT 304 |

[illegible][illegible]

| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|----------------------|-------------|---|----------------|
| | | | |
| | | | |

**Examiner
Signature**

Boyer Ashley

Date _____

Considered

12/13/03

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

✓ Translation or partial translation included.



311

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of
Invention

SPRING-BIASED BRAKE MECHANISM FOR POWER
EQUIPMENT

Application Number: 09/929227



Confirmation Number: 8817

First Named Applicant: Stephen Gass

Attorney Docket Number: SDT 304

Art Unit: 3724

Examiner: Mr. Boyer D Ashley

Search string: (0261090 or 0162814 or 0264412 or 0299480
or 0302041 or 0307112 or 0509253 or 0545504
or 0869513 or 0997720 or 1037843 or 1050649
or 1054558 or 1074198 or 1082870 or 1101515
or 1126970 or 1132129 or 1148169 or 1154209
or 1228047 or 1240430 or 1244187 or 1255886
or 1258961 or 1311508 or 1381612 or 1397606
or 1427005 or 1430983 or 1464924 or 1465224
or 1496212 or 1511797 or 1526128 or 1527587
or 1553996 or 1600604 or 1616478 or 1640517
or 1662372 or 1701948 or 1711490 or 1712828
or 1774521 or 1879280 or 1904005 or 2010851
or 2095330 or 2106321 or 3105530 or 3232326
or 3249134 or 3754493 or 3808932 or 3880032
or 3949636 or 4026174 or 4418597 or 4576073
or 4615247 or 4625604 or 4875398 or 5231906
or 6170370 or 6405624 or 6578460 or 0146886
or 1324136 or 1988102 or 1993219 or 2075282
or 2121069 or 2131492 or 2168282 or 2261696
or 2265407 or 2292872 or 2299262 or 2312118
or 2518684 or 2530290 or 2590035 or 2625966
or 2626639 or 2661777 or 2678071 or 2695638
or 2704560 or 2711762 or 2758615 or 2810408
or 2844173 or 2850054 or 2852047 or 2873773
or 2894546 or 2913025 or 2945516 or 3005477
or 3011529 or 3013592 or 3021881 or 3085602
or 3315715 or 3356111 or 3538964 or 3670788
or 5174349 or 5513548 or 5875698 or 6502493
or 2554124 or 3306149 or 5587618 or 3805639
or 3805658 or 3889567 or 4048886 or 4557168
or 4644832 or 4653189 or 5572916 or 5989116
or 20020096030 or 20030101857),pn.

RECEIVED

NOV 20 2003

TECHNOLOGY CENTER R3700

#11

Certification: This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

| init | Cite.No. | Patent No. | Date | Patentee | Kind | Class | Subclass |
|------|----------|------------|------------|-----------------|------|-------|----------|
| 3 | 1 | 0261090 | 1882-07-11 | Grill | | | |
| | 2 | 0162814 | 1875-05-05 | Graves et al. | | | |
| | 3 | 0264412 | 1882-09-12 | Kuhlmann | | | |
| | 4 | 0299480 | 1884-05-27 | Kuhlmann et al. | | | |
| | 5 | 0302041 | 1884-07-15 | Sill | | | |
| | 6 | 0307112 | 1884-10-28 | Groff | | | |
| | 7 | 0509253 | 1893-11-21 | Shields | | | |
| | 8 | 0545504 | 1895-09-03 | Hoover. | | | |
| | 9 | 0869513 | 1907-10-29 | Pfeil | | | |
| | 10 | 0997720 | 1911-07-11 | Troupenat | | | |
| | 11 | 1037843 | 1912-09-10 | Ackley | | | |
| | 12 | 1050649 | 1913-01-14 | Harrold et al. | | | |
| | 13 | 1054558 | 1913-02-25 | Jones | | | |
| | 14 | 1074198 | 1913-09-30 | Phillips | | | |
| | 15 | 1082870 | 1913-12-30 | Humason | | | |
| | 16 | 1101515 | 1914-06-30 | Adam | | | |
| | 17 | 1126970 | 1915-02-02 | Folmer | | | |
| | 18 | 1132129 | 1915-03-16 | Stevens | | | |
| | 19 | 1148169 | 1915-07-27 | Howe | | | |
| | 20 | 1154209 | 1915-09-21 | Rushton | | | |
| | 21 | 1228047 | 1917-05-29 | Reinhold | | | |
| | 22 | 1240430 | 1917-09-18 | Erickson | | | |
| 3 | 23 | 1244187 | 1917-10-23 | Frisbie | | | |

#11

| | | | | |
|---|----|---------|------------|------------------|
| 3 | 24 | 1255886 | 1918-02-12 | Jones |
| | 25 | 1258961 | 1918-03-12 | Tattersall |
| | 26 | 1311508 | 1919-07-29 | Harrold |
| | 27 | 1381612 | 1921-06-14 | Anderson |
| | 28 | 1397606 | 1921-11-22 | Smith |
| | 29 | 1427005 | 1922-08-22 | McMichael |
| | 30 | 1430983 | 1922-10-03 | Granberg |
| | 31 | 1464924 | 1923-08-14 | Drummond |
| | 32 | 1465224 | 1923-08-14 | Lantz |
| | 33 | 1496212 | 1924-06-03 | French |
| | 34 | 1511797 | 1924-10-14 | Berghold |
| | 35 | 1526128 | 1925-02-10 | Flohr |
| | 36 | 1527587 | 1925-02-24 | Hutchinson |
| | 37 | 1553996 | 1925-09-15 | Federer |
| | 38 | 1600604 | 1926-09-21 | Sorlien |
| | 39 | 1616478 | 1927-02-08 | Watson |
| | 40 | 1640517 | 1927-08-30 | Procknow |
| | 41 | 1662372 | 1928-03-13 | Ward |
| | 42 | 1701948 | 1929-02-12 | Crowe |
| | 43 | 1711490 | 1929-05-07 | Drummond |
| | 44 | 1712828 | 1929-05-14 | Klehm |
| | 45 | 1774521 | 1930-09-02 | Neighbour |
| | 46 | 1879280 | 1932-09-27 | James |
| | 47 | 1904005 | 1933-04-18 | Masset |
| | 48 | 2010851 | 1935-08-13 | Drummond |
| | 49 | 2095330 | 1937-10-12 | Hedgpeth |
| | 50 | 2106321 | 1938-01-25 | Guertin |
| | 51 | 3105530 | 1963-10-01 | Peterson |
| | 52 | 3232326 | 1966-02-01 | Speer et al. |
| | 53 | 3249134 | 1966-05-03 | Vogl et al. |
| | 54 | 3754493 | 1973-08-28 | Niehaus et al. |
| | 55 | 3808932 | 1974-05-07 | Russell |
| | 56 | 3880032 | 1975-04-29 | Green |
| | 57 | 3949636 | 1976-04-13 | Ball et al. |
| | 58 | 4026174 | 1977-05-31 | Fierro |
| 6 | 59 | 4418597 | 1983-12-06 | Krusemark et al. |
| | | | | |

#11

| | | | | |
|---|----|---------|------------|----------------|
| 3 | 60 | 4576073 | 1986-03-18 | Stinson |
| | 61 | 4615247 | 1986-10-07 | Berkeley |
| | 62 | 4625604 | 1986-12-02 | Handler et al. |
| | 63 | 4875398 | 1989-10-24 | Taylor et al. |
| | 64 | 5231906 | 1993-08-03 | Kogej |
| | 65 | 6170370 | 2001-01-09 | Sommerville |
| | 66 | 6405624 | 2002-06-18 | Sutton |
| | 67 | 6578460 | 2003-06-17 | Sartori |
| | 68 | 0146886 | 1874-01-27 | Doane et al. |
| | 69 | 1324136 | 1919-12-09 | Turner |
| | 70 | 1988102 | 1935-01-15 | Woodward |
| | 71 | 1993219 | 1935-03-05 | Merrigan |
| | 72 | 2075282 | 1937-03-30 | Hedgpeth |
| | 73 | 2121069 | 1938-06-21 | Collins |
| | 74 | 2131492 | 1938-09-27 | Ocenasek |
| | 75 | 2168282 | 1939-08-01 | Tautz |
| | 76 | 2261696 | 1941-11-04 | Ocenasek |
| | 77 | 2265407 | 1941-12-09 | Tautz |
| | 78 | 2292872 | 1942-08-11 | Eastman |
| | 79 | 2299262 | 1942-10-20 | Uremovich |
| | 80 | 2312118 | 1943-02-23 | Neisewander |
| | 81 | 2518684 | 1950-08-15 | Harris |
| | 82 | 2530290 | 1950-11-14 | Collins |
| | 83 | 2590035 | 1952-03-18 | Pollak |
| | 84 | 2625966 | 1953-01-20 | Copp |
| | 85 | 2626639 | 1953-01-27 | Hess |
| | 86 | 2661777 | 1953-12-08 | Hitchcock |
| | 87 | 2678071 | 1954-05-11 | Odlum et al. |
| | 88 | 2695638 | 1954-11-30 | Gaskell |
| | 89 | 2704560 | 1955-03-22 | Woessner |
| | 90 | 2711762 | 1955-06-28 | Gaskell |
| | 91 | 2758615 | 1956-08-14 | Mastriforte |
| | 92 | 2810408 | 1957-10-22 | Boice et al. |
| | 93 | 2844173 | 1958-07-22 | Gaskell |
| | 94 | 2850054 | 1958-09-02 | Eschenburg |
| 3 | 95 | 2852047 | 1958-09-16 | Odlum et al. |

#11

| | | | | |
|---|-----|---------|------------|---------------------|
| 3 | 96 | 2873773 | 1959-02-17 | Gaskell |
| | 97 | 2894546 | 1959-07-14 | Eschenburg |
| | 98 | 2913025 | 1959-11-17 | Richards |
| | 99 | 2945516 | 1960-07-19 | Edgemon, Jr. et al. |
| | 100 | 3005477 | 1961-10-24 | Sherwen |
| | 101 | 3011529 | 1961-12-05 | Copp |
| | 102 | 3013592 | 1961-12-19 | Ambrosio et al. |
| | 103 | 3021881 | 1962-02-20 | Edgemon, Jr. et al. |
| | 104 | 3085602 | 1963-04-16 | Gaskell |
| | 105 | 3315715 | 1967-04-25 | Mytinger |
| | 106 | 3356111 | 1967-12-05 | Mitchell |
| | 107 | 3538964 | 1970-11-10 | Warrick et al. |
| | 108 | 3670788 | 1972-06-20 | Pollak et al. |
| | 109 | 5174349 | 1992-12-29 | Svetlik et al. |
| | 110 | 5513548 | 1996-05-07 | Garuglieri |
| | 111 | 5875698 | 1999-03-02 | Ceroll et al. |
| | 112 | 6502493 | 2003-01-07 | Eccardt et al. |
| | 113 | 2554124 | 1951-05-22 | Salmont |
| | 114 | 3306149 | 1967-02-28 | John |
| | 115 | 5587618 | 1996-12-24 | Hathaway |
| | 116 | 3805639 | 1974-04-23 | Peter |
| | 117 | 3805658 | 1974-04-23 | Scott et al. |
| | 118 | 3889567 | 1975-06-17 | Sato et al. |
| | 119 | 4048886 | 1977-09-20 | Zettler |
| | 120 | 4557168 | 1985-12-10 | Tokiwa |
| | 121 | 4644832 | 1987-02-24 | Smith |
| | 122 | 4653189 | 1987-03-31 | Andreasson |
| | 123 | 5572916 | 1996-11-12 | Takano |
| 2 | 124 | 5989116 | 1999-11-23 | Johnson et al. |

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

| init | Cite.No. | Pub. No. | Date | Applicant | Kind | Class | Subclass |
|------|----------|-------------|------------|-----------|------|-------|----------|
| 3 | 1 | 20020096030 | 2002-07-25 | Wang | | | |
| 3 | 2 | 20030101857 | 2003-06-05 | Chuang | | | |

#11

Signature

| Examiner Name | Date |
|---------------|----------|
| Boyer Ashley | 12/13/03 |